

Appl. No. 10/735,154
Amdt. Dated Jul. 18, 2005
Reply to Office Action of Apr. 18, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application.

Listing of Claims:

Claim 1 (currently amended): An electrical connector for mating with a module and a complementary connector, comprising:

an insulative housing defining a front and a rear mating ports respectively for receiving the complementary connector and the module;
and

a plurality of contacts received in the insulative housing, each of the contacts comprising a first contact portion exposed to the front mating port and a second contact portion exposed to the rear mating port.

Claim 2 (original): The electrical connector as claimed in claim 1, wherein the first contact portions of the contacts are arranged in a first mating plane which is lower than a second mating plane in which the second contact portions are arranged.

Claim 3 (original): The electrical connector as claimed in claim 1, wherein the insulative housing comprises a first housing defining a cavity on a rear side thereof, and a second housing received in the cavity of the first housing.

Claim 4 (original): The electrical connector as claimed in claim 3, wherein the first housing defines a pair of slots communicating with the cavity, and wherein the second housing is formed with a pair of guiding portions received in the slots of the first housing.

Appl. No. 10/735,154
Amdt. Dated Jul. 18, 2005
Reply to Office Action of Apr. 18, 2005

Claim 5 (original): The electrical connector as claimed in claim 3, wherein each of the contacts comprises a first and a second retention portions fitted in the first and the second housings, respectively.

Claim 6 (original): The electrical connector as claimed in claim 3, wherein the contacts are firstly assembled into the second housing, and then assembled to the first housing.

Claim 7 (original): The electrical connector as claimed in claim 2, wherein each contact comprises a protrusion facilitating insertion of the contact into the second housing..

Claim 8 (original): The electrical connector as claimed in claim 1 further comprising a shield member surrounding the insulative housing and comprising a pair of solder portion extending from opposite ends thereof adapted for soldering to a printed circuit board on which the electrical connector is mounted.

Claim 9 (original): The electrical connector as claimed in claim 8, wherein the shield member comprises a plurality of sprint tabs extending into the front mating port.

Claim 10 (original): An electrical connector assembly, comprising:
a first connector comprising:

an insulative housing defining a plurality of first passageways and a plurality of second passageways in alignment with the first passageways;
and

a plurality of contacts received in the insulative housing, each of the contacts comprising a first contact portion arranged in one of the first passageways and a second contact portion arranged in one of the second passageways; and

a second connector comprising:
a housing;

Appl. No. 10/735,154
Amdt. Dated Jul. 18, 2005
Reply to Office Action of Apr. 18, 2005

a plurality of terminals received in the housing;
a pair of latches assembled to the housing to be interlocked to the insulative housing of the first connector.

Claim 11 (original): The electrical connector assembly as claimed in claim 10, wherein the first connector defines a pair of latch holes engaged with the latches of the second connector.

Claim 12 (original): An electrical connector comprising:
an insulative first housing defining two opposite mating ends;
a plurality of contacts disposed in the housing;
a metallic first shell covering at least a portion of said first housing;
and
a metallic second shell being positionable to said first shell and covering at least another portion of said first housing; wherein
said first shell contributorily defines a first mating port at one mating end, and said second shell contributorily defines a second mating port at the other mating end, said first mating port and said second mating port being dimensionally different from each other.

Claim 13 (original): The connector as claimed in claim 12, wherein a cavity is formed around one mating end, and said first shell covers the first housing except said cavity while said second shell covers said cavity complementarily.

Claim 14 (original): The connector as claimed in claim 13, further including an insulative second housing disposed in the cavity corresponding to said second shell.

Claim 15 (original): The connector as claimed in claim 14, wherein said first shell cooperates with the first housing to define the first mating port, and said second shell cooperates with the second housing to define the second mating port.

Appl. No. 10/735,154
Amdt. Dated Jul. 18, 2005
Reply to Office Action of Apr. 18, 2005

Claim 16 (original): The connector as claimed in claim 15, wherein said first mating port is thinner than the second mating port.

Claim 17 (original): An electrical connector assembly comprising:
an elongated insulative housing defining a mating face with opposite top and bottom faces by two vertical sides thereof, a mating opening being formed in said mating face and defining a mating direction thereof;

a one-piece metallic shell including spaced opposite top and bottom walls at least partially covering said top and bottom faces, respectively;

a pair of connection portions located on said mating face by two sides of said mating opening; and

a pair of side plates respectively extending from the corresponding connection portions; wherein

each of said side plates defines a locking structure thereon.

Claim 18 (original): The connector assembly as claimed in claim 17, wherein said shell forms two opposite end portions at two opposite lengthwise ends thereof, said end portions protectively covering the corresponding side plates in a lengthwise direction, respectively.

Claim 19 (original): The connector assembly as claimed in claim 18, wherein a passage is formed between each of said end portions and the corresponding side plate so as to receive therein a guiding post and a moveable latch of a complementary connector.

Claim 20 (original): The connector assembly as claimed in claim 19, wherein said latch defines thereon another locking structure latchably engageable with said locking structure.